

**WDFC FIELD UNIT-AJMER-ELECTRICAL/WDFC  
TENDER DOCUMENT**

Tender No: All-EL-MD-IQB-OHE-22-T-07

Closing Date/Time: 21/02/2023 15:00

GM/DFCCIL/AJMER acting for and on behalf of The President of India invites E-Tenders against Tender No **All-EL-MD-IQB-OHE-22-T-07** Closing Date/Time 21/02/2023 15:00 Hrs. Bidders will be able to submit their original/revised bids upto closing date and time only. Manual offers are not allowed against this tender, and any such manual offer received shall be ignored.

**1. NIT HEADER**

<b>Name of Work</b>	Maintenance of 2 x 25 KV High Rise Overhead equipment on Madar- Iqbalgadh section of DFCCIL for a period of 24 Months under Ajmer Unit of Western Dedicated Freight Corridor (WDFC).		
<b>Bidding type</b>	Normal Tender		
<b>Tender Type</b>	Open	<b>Bidding System</b>	Single Packet System
<b>Tender Closing Date Time</b>	21/02/2023 15:00	<b>Date Time Of Uploading Tender</b>	30/01/2023 16:52
<b>Pre-Bid Conference Required</b>	No	<b>Pre-Bid Conference Date Time</b>	Not Applicable
<b>Advertised Value</b>	77266038.98	<b>Tendering Section</b>	WORKS
<b>Bidding Style</b>	Single Rate for Tender	<b>Bidding Unit</b>	Above/Below/Par
<b>Earnest Money (Rs.)</b>	536300.00	<b>Validity of Offer ( Days)</b>	45
<b>Tender Doc. Cost (Rs.)</b>	0.00	<b>Period of Completion</b>	24 Months
<b>Contract Type</b>	Works	<b>Contract Category</b>	Expenditure
<b>Bidding Start Date</b>	07/02/2023	<b>Are Joint Venture (JV) firms allowed to bid</b>	No
<b>Ranking Order For Bids</b>	Lowest to Highest	<b>Expenditure Type</b>	Capital (Works)

**2. SCHEDULE**

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
<b>Schedule 1-Regular Maintenance Activity</b>							70693828.12	
1	1	40506.00	Each	890.43	36067757.58	AT Par	36067757.58	
	<b>Description:-</b> Checking and Maintenance of Cantilever assembly (Annually)							
2	2	1482.00	Per Track KM	5695.69	8441012.58	AT Par	8441012.58	
	<b>Description:-</b> Checking and maintenance of 25 kV OHE conductors by Tower wagon. (Annually)							
3	3	1600.00	Each	520.80	833280.00	AT Par	833280.00	
	<b>Description:-</b> Checking & maintenance of all type of 25 KV OHE Jumpers not covered in other items							
4	4	1400.00	Each	1898.96	2658544.00	AT Par	2658544.00	
	<b>Description:-</b> Checking & maintenance of Overlaps (IOL) & (UIOL) by Tower wagon. (Annually)							
5	5	943.00	Each	1424.22	1343039.46	AT Par	1343039.46	
	<b>Description:-</b> Checking & Maintenance of Anti Creep arrangement. (Annually)							
6	6	30.00	Each	1523.42	45702.60	AT Par	45702.60	
	<b>Description:-</b> Checking & Maintenance of 25 KV Isolator (SP/DP) including earthing heel arrangement if any.							
7	7	142.00	Each	1460.83	207437.86	AT Par	207437.86	
	<b>Description:-</b> Checking & Maintenance of 25 KV OHE at Turnouts by Tower wagon. (Annually)							
8	8	128.00	Each	2919.29	373669.12	AT Par	373669.12	
	<b>Description:-</b> Checking & Maintenance of 25 KV OHE on a cross over by Tower wagon. (Annually)							
9	9	228.00	Each	1460.83	333069.24	AT Par	333069.24	
	<b>Description:-</b> Checking & Maintenance of Section Insulator Assembly by Tower wagon. (Annually)							
10	10	2488.00	Each	3084.63	7674559.44	AT Par	7674559.44	
	<b>Description:-</b> Checking & Maintenance of Auto tension Device (ATD). (Annually)							
11	11	35568.00	Per Track KM	170.06	6048694.08	AT Par	6048694.08	
	<b>Description:-</b> Foot patrolling to be carried out along with schedule with one DFCCIL staff. (Fortnightly)							
12	12	4542.00	Each	34.25	155563.50	AT Par	155563.50	
	<b>Description:-</b> Checking & maintenance of all type of bonds & BEC connection including cleaning of muffs at OHE mast .							
13	13	2272.00	Each	88.57	201231.04	AT Par	201231.04	

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	<b>Description:-</b> Removal of & Re erection of various type bonds during track machine working or Erection of missing/new bonds including Paint etc.						
14	14	10.00	Each	4061.27	40612.70	AT Par	40612.70
	<b>Description:-</b> Checking & maintenance of leaning of OHE mast till a new mast erected						
15	15	216.00	Each	6191.69	1337405.04	AT Par	1337405.04
	<b>Description:-</b> Checking & Maintenance of PTFE type neutral section (Quarterly)						
16	16	300.00	Each	453.48	136044.00	AT Par	136044.00
	<b>Description:-</b> Checking and Maintenance of Portal boom & drop arms free from foreign body including bird nests						
17	17	2000.00	Each	30.70	61400.00	AT Par	61400.00
	<b>Description:-</b> Trimming of tree branches to maintain minimum 5 to 6 meter clearance from OHE.						
18	18	10.00	Per Track KM	49285.52	492855.20	AT Par	492855.20
	<b>Description:-</b> Erection of 25 KV over head equipment as per requirement						
19	19	100.00	Per Track KM	1115.40	111540.00	AT Par	111540.00
	<b>Description:-</b> Checking and compilation of hotspot of OHE using Thermo vision camera by a skilled Engineer						
20	20	500.00	Each	95.41	47705.00	AT Par	47705.00
	<b>Description:-</b> Stencilling/Painting of rail level, implantation, MRL, ERL & location number etc. SED Parameters.						
21	21	1000.00	Each	674.29	674290.00	AT Par	674290.00
	<b>Description:-</b> Painting of counter weight of ATD & guy rod assembly including marking of Y value.						
22	22	2724.00	Each	409.68	1115968.32	AT Par	1115968.32
	<b>Description:-</b> Checking and maintenance of Feeder Termination and AEC termination						
23	23	20.00	Each	45.30	906.00	AT Par	906.00
	<b>Description:-</b> Drilling of hole for Bond						
24	24	1216.00	Each	1016.79	1236416.64	AT Par	1236416.64
	<b>Description:-</b> Maintenance of Auxiliary Transformer at Station and ALH and TH Locations						
25	25	741.00	Per Track KM	1423.92	1055124.72	AT Par	1055124.72
	<b>Description:-</b> Checking and maintenance of 25 kv OHE feeder & AEC conductors excluding termination arrangement						

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
<b>Schedule 2-Emergency &amp; Other maintenance activities</b>							1563576.70	
1	1	25.00	Each	4599.78	114994.50	AT Par	114994.50	
	<b>Description:-</b> Loading, unloading of DFCCIL supplied material to places directed by Engineer in charge (i.e. From station to tower wagon, station to station etc.) (applicable for material more than 2 MT)							
2	2	10.00	Each	3553.46	35534.60	AT Par	35534.60	
	<b>Description:-</b> Erection of Catenary wire splicing or Contact wire splicing.							
3	3	100.00	Each	1015.61	101561.00	AT Par	101561.00	
	<b>Description:-</b> Replacement / Re-erection of various types of insulators							
4	4	600.00	Hour	1800.94	1080564.00	AT Par	1080564.00	
	<b>Description:-</b> Breakdown attention by a gang for restoration of 25 KV OHE during accidents/ unusual occurrence for checking OHE parameters- (one gang consisting of 7 staff)							
5	5	35.00	Each	3357.42	117509.70	AT Par	117509.70	
	<b>Description:-</b> Erection of traction masts & portal other than boom							
6	6	10.00	Each	1341.29	13412.90	AT Par	13412.90	
	<b>Description:-</b> Transfer of OHE equipment from one mast or support to another.							
7	7	100.00	Hour	1000.00	100000.00	AT Par	100000.00	
	<b>Description:-</b> Providing of road crane on hiring basis for erection of OHE mast, portal upright and portal boom or any other loading /unloading activity.							

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<b>Schedule 3- Foundation items</b>							848508.00	
1	1	100.00	cum	8485.08	848508.00	AT Par	848508.00	
	<b>Description:-</b> Casting of all types of foundation (The rate includes supply of the material- ballast, sand, cement, mixture & reinforcement etc.)							

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
<b>Schedule 4-Additional OHE work</b>							1660126.16	
1	1	3.00	Each	66493.00	199479.00	AT Par	199479.00	
	<b>Description:-</b> Supply and maintenance of petrol operated telescopic pole pruner model no. HT 75 of STIHL or equivalent model of FISKAR make for tree trimming purpose							
2	2	4.00	Each	6107.28	24429.12	AT Par	24429.12	
	<b>Description:-</b> Supply and fixing of Splicing Clamp Assembly For 150 sq. mm Contact Wire (Crocodile Type)							
3	3	4.00	Each	2864.48	11457.92	AT Par	11457.92	
	<b>Description:-</b> Supply and fixing Catenary Wire Splice 125 Sq. mm							
4	4	4.00	Each	3653.56	14614.24	AT Par	14614.24	
	<b>Description:-</b> Supply and fixing Feeder wire splice for 288 sq. mm AAAC conductor.							
5	5	4.00	Each	1671.82	6687.28	AT Par	6687.28	
	<b>Description:-</b> Supply and fixing Aerial Earth wire splice for 181.6 sq. mm ACSR conductor.							
6	6	4.00	Each	3053.25	12213.00	AT Par	12213.00	
	<b>Description:-</b> Supply and fixing of Splicing Clamp Assembly for 107 sq. mm Contact Wire (Crocodile Type)							
7	7	4.00	Each	1017.75	4071.00	AT Par	4071.00	
	<b>Description:-</b> Supply and fixing Catenary Wire Splice 65 Sq. mm.							
8	8	50.00	Each	1810.04	90502.00	AT Par	90502.00	
	<b>Description:-</b> Erection of Cantilevers							
9	9	20.00	Each	696.41	13928.20	AT Par	13928.20	
	<b>Description:-</b> Erection of material for solid core cut in insulator.							
10	10	20.00	Each	492.02	9840.40	AT Par	9840.40	
	<b>Description:-</b> Erection of material for suspension insulator							
11	11	25.00	Each	264.45	6611.25	AT Par	6611.25	
	<b>Description:-</b> Erection of structure bonds							
12	12	5.00	Each	2660.27	13301.35	AT Par	13301.35	
	<b>Description:-</b> Supply of material for single earth electrode							
13	13	5.00	Each	1203.18	6015.90	AT Par	6015.90	
	<b>Description:-</b> Erection of material for single earth electrode							
14	14	20.00	Each Span	3783.38	75667.60	AT Par	75667.60	
	<b>Description:-</b> Slewing and refitment of OHE.							
15	15	5.00	Per Track KM	15152.46	75762.30	AT Par	75762.30	
	<b>Description:-</b> Preparation of design and drawing for over head equipment and verification as per plan							
16	16	10.00	MT	7586.77	75867.70	AT Par	75867.70	
	<b>Description:-</b> Erection of rolled / fabricated and galvanized traction mast, TTC, Portals, AT Mast, Feeder Mast, bridge mast etc.							
17	17	5.00	Each	1302.21	6511.05	AT Par	6511.05	
	<b>Description:-</b> Erection of material for Guy rod assembly							
18	18	200.00	Metre	83.23	16646.00	AT Par	16646.00	
	<b>Description:-</b> Erection of large span wire							
19	19	5.00	Each	5190.95	25954.75	AT Par	25954.75	
	<b>Description:-</b> Erection of material for Regulating Equipment (ATD)							
20	20	5.00	Each	2003.89	10019.45	AT Par	10019.45	
	<b>Description:-</b> Erection of Material for termination of single/double conductor of overhead equipment							
21	21	5.00	Each	10571.54	52857.70	AT Par	52857.70	
	<b>Description:-</b> Supply and erection of Guy rod assembly.							

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22	22	5.00	Each	3754.93	18774.65	AT Par	18774.65
	<b>Description:-</b> Erection of Anti creep wire						
23	23	5.00	Each	6441.54	32207.70	AT Par	32207.70
	<b>Description:-</b> Erection of Section Insulator assembly and associate Fittings & fasteners.						
24	24	2.00	Each	8342.18	16684.36	AT Par	16684.36
	<b>Description:-</b> Erection of PTFE neutral section assembly and associate Fittings & fasteners						
25	25	2.00	Each	7295.98	14591.96	AT Par	14591.96
	<b>Description:-</b> Erection of 25 kV DP Isolator with all material as required.						
26	26	2.00	Each	6662.79	13325.58	AT Par	13325.58
	<b>Description:-</b> Erection of 25 kV SP Isolator with all material as required.						
27	27	20.00	MT	1818.46	36369.20	AT Par	36369.20
	<b>Description:-</b> Dismantling of traction structure, Portals, TTC and associate SPS by cutting						
28	28	10.00	Each	3250.26	32502.60	AT Par	32502.60
	<b>Description:-</b> Supply, fabrication and erection of Danger Boards on boom of height gauges.						
29	29	800.00	Each	821.00	656800.00	AT Par	656800.00
	<b>Description:-</b> Supply and erection of OHE Retro reflecting number plate including plate fixing.						
30	30	20.00	Each	520.52	10410.40	AT Par	10410.40
	<b>Description:-</b> Supply and erection of caution board on LC gate on upright.						
31	31	100.00	Each	149.27	14927.00	AT Par	14927.00
	<b>Description:-</b> Providing and replacing of DO Fuse at Auxiliary Transformer of 1 A/ 5A as per requirement.						
32	32	10.00	Each	1903.44	19034.40	AT Par	19034.40
	<b>Description:-</b> Supply & erection of retro reflective type neutral section Boards						
33	33	10.00	Each	800.71	8007.10	AT Par	8007.10
	<b>Description:-</b> Supply & erection of "caution clearance to OHE nearby restricted"						
34	34	10.00	Each	920.72	9207.20	AT Par	9207.20
	<b>Description:-</b> Supply & erection of dead section caution board (power block working limit board)						
35	35	10.00	Each	739.94	7399.40	AT Par	7399.40
	<b>Description:-</b> Supply and erection of 'caution unwired turnout' board						
36	36	10.00	Each	1744.74	17447.40	AT Par	17447.40
	<b>Description:-</b> Supply and erection of Engine stop board.						

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
<b>Schedule 5-Additional OHE items</b>							2500000.00	
1	Lump Sum				2500000.00	AT Par	2500000.00	
	<b>Description :-</b> Supply of spares, tools & equipments required during maintenance & break downs for a period of 2 years- As per annexure-A							

**3. ITEM BREAKUP**

No item break up added
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**4. ELIGIBILITY CONDITIONS**

**Special Technical Criteria**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading

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1	Technical Eligibility Criteria: (a) The tenderer must have successfully or substantially* completed any of the following during last 07 (seven) years, ending last day of month previous to the one in which tender is invited: Three similar works, each costing not less than the amount equal to 30% of advertised value of the tender, OR Two similar works, each costing not less than the amount equal to 40% of advertised value of the tender, OR One similar work, each costing not less than the amount equal to 60% of advertised value of the tender. (b) The similar nature of work is defined as- "Rehabilitation/Maintenance/Design, Supply, Erection, Testing & Commissioning of single phase 50 Hz, 25/2X25 kV AC OHE System."	No	No	Allowed (Mandatory)
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**Special Financial Criteria**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Financial Eligibility Criteria: The tenderer must have minimum average annual contractual turnover of V/N or 'V' Whichever is less; where V= Advertised value of the tender in crores of Rupees N= Number of years prescribed for completion of work for which bids have been invited. The average annual contractual turnover shall be calculated as an average of "total contractual payments" in the previous three financial years, as per the audited balance sheet. However, in case balance sheet of the previous year is yet to be prepared/ audited, the audited balance sheet of the fourth previous year shall be considered for calculating average annual contractual turnover. The tenderers shall submit requisite information as per Annexure-VIB of GCC APRIL-2022, along with copies of Audited Balance Sheets duly certified by the Chartered Accountant/ Certificate from Chartered Accountant duly supported by Audited Balance Sheet. Note: Client certificate from other than Govt. Organization should be duly supported by Form 16A/26AS generated through TRACES of Income Tax Department of India.	No	No	Allowed (Mandatory)

**5. COMPLIANCE**

**Check Lst**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	As per mentioned in Tender Document	No	No	Not Allowed

**Commercial-Compliance**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	As per mentioned in Tender Document	No	No	Allowed (Mandatory)
2	Please enter the percentage of local content in the material being offered. Please enter 0 for fully imported items, and 100 for fully indigenous items. The definition and calculation of local content shall be in accordance with the Make in India policy as incorporated in the tender conditions.	No	Yes	Allowed (Optional)

**General Instructions**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	As per mentioned in Tender Document	No	No	Not Allowed

**Special Conditions**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	As per mentioned in Tender Document	No	No	Not Allowed

**Technical-Compliances**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	As per mentioned in Tender Document	No	No	Allowed (Mandatory)

**Undertakings**

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S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	As per mentioned in Tender Document	No	No	Not Allowed

**6. Documents attached with tender**

S.No.	Document Name	Document Description
1	TenderdocumentforOHE23updated.2.pdf	Tender document

This tender complies with Public Procurement Policy (Make in India) Order 2017, dated 15/06/2017, issued by Department of Industrial Promotion and Policy, Ministry of Commerce, circulated vide Railway Board letter no. 2015/RS(G)/779/5 dated 03/08/2017 and 27/12/2017 and amendments/ revisions thereof.

As a Tender Inviting Authority, the undersigned has ensured that the issue of this tender does not violate provisions of GFR regarding procurement through GeM.

**Signed By:** MANISH KUMAR VIJAY

**Designation :** DYPM EL/AII/HQ